

## Sample Preparation Protocol SP-07 Formulation of Fly Wash Solution

### Scope

Fly wash is used for washing *Drosophila* larvae from plates. Multiple washes are needed in most cases due to the heavy contamination from yeast food.

### Materials

- UBI. TRITON X - 100 0.02%
- PRESERVATIVE N/A
- NaCl 0.2%
- Small paintbrush
- Eppendorf pipette (or equivalent)
- Distilled water
- Graduated cylinder
- ESS Sheath (P/N 335-5070-000) & ESS Embryo Sample Solution (P/N 335-5075-000)

### Procedure

#### Weighing Materials:

Measure one (1) liter of distilled water using a graduated cylinder. Decant distilled water into clean flask or other receptacle.

Using eppendorf pipette or equivalent measure 200uL of TRITON X - 100 and add to distilled water. Weigh 2 grams of NaCl and then add to distilled water mixture.

#### Mixing the Solution:

Cap the solution and mix until triton has dissolved into solution. The solution is now ready to use.

#### Washing Larvae:

Open plate of *Drosophila* larva and flood with Fly Wash solution. Using small paintbrush, brush larvae from top of plate into Fly Wash.

With large bore transfer pipette, aspirate off Fly Wash with larvae and residual yeast food. Decant into 15 mL conical tube or other receptacle.

Let larvae settle to bottom of conical by gravity method or by low speed centrifuge methods. Aspirate off supernatant and discard. Add more Fly Wash to pellet, cap, and mix by inversion. Repeat settling through adding Fly Wash steps until supernatant is clear.

Pellet fly larvae and dilute to proper, pre-determined experimental concentration with ESS Sheath.

### Questions?

**For further information, please contact  
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